Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/25/2018 09/25/2018	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		1		
LM End	0.00	Issue Type +	Ma	Location *		N/A		
Category Earthen Levee								
			Start		End			
Item	Operations & Maintenance				0		0	
пеш	Manuals					0		
DWR ID DWR_RD0017_01_s _ 2013_1								
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
LMA has a	copy of th	e manual on	file.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory		Start		End			
Emergency Supplies &				0		0	
Equipment					0		0
DWR ID	DWR ID DWR_RD0017_01_s _ 2013_2						
		Comn	nent Cod	le			
			_				
		Inspecto	or Comm	ent			
LMA has a	LMA has adequate flood fight supplies.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ма	Location *		N/A	
Category	Category Earthen Levee			GPS Latitude/Longitude			
Calegory		Start		End			
Flood Preparedness & Training					0	0	
item					0	0	
DWR ID DWR_RD0017_01_s _ 2013_3							
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
District sta	ff are invo	ved in training	g sponso	red by DWI	₹.		

No Photos

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/25/2018 09/25/2018	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	1.76	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Vegetation			37.9112	48°	37.915962°		
пеш				-121.2910	64°	-121.320708°	
DWR ID	ID DWR_RD0017_01_f _ 2018_9						
		Comn	nent Cod	de			
V1 : Contre		rass and wee	eds on th	e levee slop	oes a	and	
Inspector Comment							



Looking southwest at typical view of landward slope. (Fall 2018)

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	1.76	Issue Type +	Ма	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Vegetation			37.9112	48°	37.915962°	
пеш				-121.2910	64°	-121.320708°	
DWR ID	DWR_RD0	017_01_f _ 201	8_10				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



Looking southeast at typical view of waterward slope. (Fall 2018)

LM Start	0.71	Rating **	M	Issue No.		11	
LM End	0.71	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		37.9148	31°	37.914831	0
пеш				-121.3017	32°	-121.301732	0
DWR ID	DWR RD0	017_01_s _ 201	8 11				

Comment Code

TR: Tree or limb

Inspector Comment

Fallen tree on landside slope and toe.



Looking west at tree limbs on landward slope and toe. (Spring 2018)

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable AW: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	0.07	Rating **	М	Issue No.		69
LM End	0.07	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Category				Start		End
Animal Control			37.9152	14°	37.915214°	
пеш				-121.321587°		-121.321587°
DWR ID	DWR_RD0	017_02_f _ 201	7_69			
		Comn	nent Coo	de		
A1 : Extern	ninate rod	ents and back	fill and c	compact or	grou	t burrows.
		Inspecto	or Comm	nent		

No Photos

LM Start	0.12	Rating **	М	Issue No.		71	
LM End	0.12	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Itom	Animal Co	ontrol		37.91459	98°	37.914598	٥
пеш	Item				97°	-121.322097	٥
DWR ID	DWR_RD0	017_02_s _ 201	7_71				
Comment Code							

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	0.25	Rating **	М	Issue No.		2	
LM End	0.26	Issue Type +	Ma	Location *		WS	
Category Supplemental				GPS La	atitud	e/Longitude	
				Start		End	
DWR Erosion Survey				37.9130	48°	37.913048°	
Item			-121.323561 °		-121.323561°		
DWR ID	RD0017U0	2RM43.51					
		Comn	nent Cod	de			
		Inchacte	or Comm	ont			

Inspector Comment

09/13/2017: Erosion occurs along the levee toe. [2017 Site ID:RD0017U02RM43.51].



Front view of the erosion.

Page 1 of 8

* Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A : Not Applicable A : Acceptable M : Minimally Acceptable N: Not Inspected/Rated WS: Water Side C : Corrected A/W : Acceptable but Monitor & Maintain CR : Crown U : Unacceptable En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	0.25	Rating **	М	Issue No.		2 (cont)	
LM End	0.26	Issue Type +	Ма	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	DWR Ero		37.9130	48°	37.913048°		
пеш		-121.323561 ° -121.32356					
DWR ID	RD0017U0	2RM43.51					
		Comn	nent Cod	de			
	Inspector Comment						
	09/13/2017: Erosion occurs along the levee toe. [2017 Site ID:RD0017U02RM43.51].						

Photo 2 of 2: FA_2018_RD0017_304_2_20180906_00006.jpg



Close view of the erosion.

LM Start	0.69	Rating **	A/W	Issue No.		72
LM End	0.69	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		37.9068	68°	37.906868°
пеш				-121.3240	43°	-121.324043 °
DWR ID	DWR_RD0	017_02_s _ 201	7_72			·

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	0.91	Rating **	С	Issue No.		3	
LM End	0.91	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	DWR Eros	sion Survey		37.9043	10°	37.904310	0
item				-121.3233	36°	-121.323386	0
DWR ID	RD0017U0	2RM44.14					
		Comp	ant Coc	lo.			

Inspector Comment

09/13/2017: The erosion is located upstream of a big tree. [2017 Site ID:RD0017U02RM44.14] District repaired site.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	1.43	Rating **	М	Issue No.		70		
LM End	1.43	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		37.8975	° 80	37.897508°		
пеш				-121.3266	71°	-121.326671 °		
DWR ID	DWR_RD0	017_02_f _ 201	7_70					
		Comn	nent Cod	de				
S3 : Repai access wh		slope damaç le.	ed by ve	ehicle traffic	and	prevent		
		Inspecto	or Comm	nent				



Looking east at the landside slope.

LM Start	1.43	Rating **	M	Issue No.		75
LM End	1.43	Issue Type +	Ма	Location *		LS
Category	evee	GPS La	atitud	le/Longitude		
Calegory				Start		End
Item	Animal Co	ontrol		37.8974	67°	37.897467°
item				-121.3266	90°	-121.326690 °
DWR ID DWR_RD0017_02_f _ 2017_75						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2018_RD0017_304_75_20180906_00013.jpg



Looking west at the landside slope.

LM Start	1.93	Rating **	М	Issue No.		83	
LM End	1.93	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		37.8908	33°	37.890833	0
пеш				-121.3279	55 °	-121.327955	0
DWR ID	DWR_RD0	017_02_s _ 201	8_83				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side		C : Corrected	
CR : Crown	M : Minimally Acceptable	A/W : Acceptable but Monitor & Maintain	Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	4.43	Rating **	A/W	Issue No.	76			
LM End	5.52	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee	GPS La	titud	e/Longitude			
Calegory		Start		End				
Item	Animal Co	ontrol		37.8610	70°	37.850118°		
пеш				-121.3195	10°	-121.320188°		
DWR ID	R ID DWR_RD0017_02_s _ 2012_76							
	Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent holes have been backfilled, but should be monitored.

Photo 1 of 2: FA_2018_RD0017_304_82_20180927_00201.jpg

No Photos



Looking south at typical view of grouted rodent holes on landward shoulder. (Fall 2018)

Rating ** A/W Issue No. LM Start 4.84 82 4.84 Issue Type + Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.856633° 37.856633° Item -121.319411° -121.319411 ° DWR_RD0017_02_f _ 2017_82 DWR ID

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

District grouted rodent holes.

LM Start	4.84	Rating **	A/W	Issue No.	82 (cont)
LM End	4.84	Issue Type +	Ма	Location *	LS

Photo 2 of 2: FA_2018_RD0017_304_82_20180927_00202.jpg



Looking southeast at typical view of grouted rodent holes on landward shoulder and slope. (Fall 2018)

** Rating

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

** Rating

A: Acceptable N: Not Inspected/Rated Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	5.49	Rating **	С	Issue No.	74			
LM End	5.49	Issue Type +	Ma	Location *	LS			
Category	Category Earthen Levee GPS Latitude/Longitude				le/Longitude			
Category				Start		End		
Trim / Thin Trees				37.8505	40°	37.850540°		
пеш			-121.320413 °		-121.320413 °			
DWR ID	DWR_RD0	017_02_s _ 201	7_74					
		Comn	nent Coo	le				
T1: Trim t	rees to at l	east five feet	above g	round level.				
	Inspector Comment							

LM Start	7.58	Rating **	М	Issue No.	25			
LM End	7.60	Issue Type +	Ma	Location *	LS			
Category	Earthen L	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Vegetation			37.8280	95 °	37.827920°		
item				-121.3099	45 °	-121.309847°		
DWR ID	DWR_RD0017_02_s _ 2012_25							
	Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Rating ** Issue No. LM Start 8.04 84 Location * ws 8.04 Issue Type + Ma LM End GPS Latitude/Longitude Earthen Levee Category Start End Vegetation 37.824344° 37.824344° Item -121.312455° -121.312455° DWR ID DWR_RD0017_02_f _ 2017_84 Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

No Photos

No Photos

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	8.05	Rating **	М	Issue No.		77		
LM End	8.06	Issue Type +	Ma	Location *		LS		
Catagory	Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Animal Co	ontrol	37.8244	47°	37.824487	0		
пеш				-121.3126	92°	-121.312785	0	
DWR ID	DWR_RD0	017_02_f _ 201	7_77					
	Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	9.24	Rating **	М	Issue No.		85
LM End	9.24	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End
Item	Animal Co	ontrol		37.8152	69°	37.815269°
пеш			-121.3168	05°	-121.316805 °	
DWR ID	DWR_RD0	017_02_f _ 201	7_85			

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Looking north at landside slope.

LM Start	9.29	Rating **	М	Issue No.		9	
LM End	9.29	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.8152	70°	37.815270	0
пеш				-121.3176	92°	-121.317692	0
DWR ID	DWR RD0	017_02_s _ 201	2 9				

Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Bamboo & elderberries at landside toe.

Photo 1 of 1 : FA_2018_RD0017_304_9_20180906_00010.jpg



Looking east at bamboo and elderberries at landward toe.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable
AW: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	10.64	Rating **	М	Issue No.		80		
LM End	10.64	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetatio	n		37.805787°		37.805787	0	
пеш		-1:			22°	-121.322022	0	
DWR ID DWR_RD0017_02_s _ 2015_80								
		Comn	nent Cod	de				
V4 : Elderk	perries are	blocking visib	ility and	flood fight	сара	ability.		
		Inspecto	or Comm	nent				

No Photos

LM Start	13.28	Rating **	М	Issue No.		149	
LM End	13.28	Issue Type +	Ма	Location *			
Category Supplemental				GPS Latitude/Longitud			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	37.7794	70°	37.779470	٥
itein				-121.2999	53°	-121.299953	٥
DWR ID	809						

Comment Code

Inspector Comment

FS_ID:40715 DS_ID:809 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status.

FIELD_STRUCT_DESC: *ABANDONED* [Reclamation District No. 17 Drainange Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 --no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)]

Photo 1 of 3 : UCIP_FA_2018_40715_72548.jpg

View of levee crown at crossing.

FS Date: 2/4/2010

LS : Land Side N/A : Not Applicable WS : Water Side

oide

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/25/2018 09/25/2018	Richard Willoughby

LM Start	13.28	Rating **	М	Issue No.		149 (cont)
LM End	13.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.77947	o°	37.779470°
				-121.29995	3°	-121.299953 °
DWR ID	809					·

Comment Code

Inspector Comment

FS_ID:40715 DS_ID:809 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status.

FIELD STRUCT DESC: *ABANDONED* [Reclamation District No. 17] Drainange Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)] FS Date: 2/4/2010

LM Start	13.28	Rating **	М	Issue No.	149 (cont)
LM End	13.28	Issue Type +	Ma	Location *	





View of waterward side, photo 1 of 2.

Photo 3 of 3: UCIP FA 2018 40715 72549.ipg



View of waterward side, photo 2 of 2.